

Docket No.
ISPH-0501

Declaration and Power of Attorney For Patent Application

English Language Declaration

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name,

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

**ANTISENSE OLIGONUCLEOTIDE MODULATION OF TUMOR NECROSIS FACTOR-ALPHA
(TNF-ALFA) EXPRESSION**

the specification of which

(check one)

☒ is attached hereto.

☐ was filed on _____ as United States Application No. or PCT International
Application Number _____
and was amended on _____

(if applicable)

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, Code of Federal Regulations, Section 1.56.

I hereby claim foreign priority benefits under Title 35, United States Code, Section 119(a)-(d) or Section 365(b) of any foreign application(s) for patent or inventor's certificate, or Section 365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate or PCT International application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s)			Priority Not Claimed
_____ (Number)	_____ (Country)	_____ (Day/Month/Year Filed)	<input type="checkbox"/>
_____ (Number)	_____ (Country)	_____ (Day/Month/Year Filed)	<input type="checkbox"/>
_____ (Number)	_____ (Country)	_____ (Day/Month/Year Filed)	<input type="checkbox"/>

I hereby claim the benefit under 35 U.S.C. Section 119(e) of any United States provisional application(s) listed below:

(Application Serial No.)

(Filing Date)

(Application Serial No.)

(Filing Date)

(Application Serial No.)

(Filing Date)

I hereby claim the benefit under 35 U. S. C. Section 120 of any United States application(s), or Section 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 U.S.C. Section 112, I acknowledge the duty to disclose to the United States Patent and Trademark Office all information known to me to be material to patentability as defined in Title 37, C. F. R., Section 1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application:

09/313,932

May 18, 1999

Pending

(Application Serial No.)

(Filing Date)

(Status)
(patented, pending, abandoned)

09/166,186

October 5, 1998

Patented

(Application Serial No.)

(Filing Date)

(Status)
(patented, pending, abandoned)

(Application Serial No.)

(Filing Date)

(Status)
(patented, pending, abandoned)

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

POWER OF ATTORNEY: As a named inventor, I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and transact all business in the Patent and Trademark Office connected therewith. *(list name and registration number)*

Jane Massey Licata, Reg. No. 32,257
 Kathleen A. Tyrrell, Reg. No. 38,350
 Laura M. Plunkett, Reg. No. 45,015
 Bridget C. Sciamanna, Reg. No. 47,333

Herb Boswell, Reg. No. 27,311
 Laurel Spear Bernstein, Reg. No. 37,280
 Robert S. Andrews, Reg. No. 44,508
 April Logan, Reg. No. 33,950
 Neil S. Bartfeld, Reg. No. 39,901

of the firm:

Isis Pharmaceuticals, Inc.
 Carlsbad Research Center
 2292 Faraday Avenue
 Carlsbad, CA 92008



26259

PATENT TRADEMARK OFFICE

Send Correspondence to: **Jane Massey Licata**
Licata & Tyrrell P.C.
66 E. Main Street
Marlton, NJ 08053

Direct Telephone Calls to: *(name and telephone number)*
Jane Massey Licata, Tel: 856-810-1515

Full name of sole or first inventor Brenda F. Baker	
Sole or first inventor's signature	Date
Residence Carlsbad, CA	
Citizenship USA	
Post Office Address 2147 Avenida Toronja	
Carlsbad, CA 92009	

Full name of second inventor, if any C. Frank Bennett	
Second inventor's signature	Date
Residence Carlsbad, CA	
Citizenship USA	
Post Office Address 1347 Cassins Street	
Carlsbad, CA 92009	

Full name of third inventor, if any Madeline M. Butler	
Third inventor's signature	Date
Residence Rancho Sante Fe, CA	
Citizenship USA	
Post Office Address 15951 Avenida Calma	
Rancho Sante Fe, CA 92091	

Full name of fourth inventor, if any William R. Shanahan, Jr.	
Fourth inventor's signature	Date
Residence Encinitas, CA	
Citizenship USA	
Post Office Address 3066 Camino Del Rancho	
Encinitas, CA 92024	

Full name of fifth inventor, if any	
Fifth inventor's signature	Date
Residence	
Citizenship	
Post Office Address	

Full name of sixth inventor, if any	
Sixth inventor's signature	Date
Residence	
Citizenship	
Post Office Address	